

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : ALUMINIUM PROCESSING</b>					
<b>System 1 : MELTING OPERATIONS</b>					
CENTRIFUGE, ALUMINUM CHIP FEED TO FURNACE NO. 1, COMMON TO ALUMINUM CHIP FEED TO FURNACE NO. 3, 30 HP A/N: 404506	D1			PM: (9) [RULE 405,2-7-1986]	D323.2
BIN, SURGE, ALUMINUM CHIP FEED TO FURNACE NO. 1, COMMON TO ALUMINUM CHIP FEED TO FURNACE NO. 3, 800 CU.FT. A/N: 404506	D2			PM: (9) [RULE 405,2-7-1986]	D323.2
CYCLONE, CHIP PRE-HEAT, EXHAUST GAS HEATED, ALUMINUM CHIP FEED TO FURNACE NO. 1, COMMON TO ALUMINUM CHIP FEED TO FURNACE NO. 3 A/N: 404506	D3			PM: (9) [RULE 405,2-7-1986]	D323.2
CONVEYOR, SCREW, ALUMINUM CHIP FEED TO FURNACE NO. 1, COMMON TO ALUMINUM CHIP FEED TO FURNACE NO. 3, LENGTH: 16 FT; DIAMETER: 1 FT A/N: 404506	D4			PM: (9) [RULE 405,2-7-1986]	D323.2
SCREEN, CLASSIFYING, ALUMINUM CHIP FEED TO FURNACE NO. 1, COMMON TO ALUMINUM CHIP FEED TO FURNACE NO. 3 A/N: 404506	D5			PM: (9) [RULE 405,2-7-1986]	D323.2

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(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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<b>Process 1 : ALUMINIUM PROCESSING</b>					
MAGNETIC SEPARATOR, ALUMINUM CHIP FEED TO FURNACE NO. 1, COMMON TO ALUMINUM CHIP FEED TO FURNACE NO. 3 A/N: 404506	D113			PM: (9) [RULE 405,2-7-1986]	
BIN, ALUMINUM CHIP FEED TO FURNACE NO. 1, WITH WEIGHT RELEASE GATE, COMMON TO ALUMINUM CHIP FEED TO FURNACE NO. 3, 1 CU.FT. A/N: 404506	D121			PM: (9) [RULE 405,2-7-1986]	D323.2
HOPPER, ALUMINUM CHIP FEED TO FURNACE NO. 1 A/N: 404506	D6			PM: (9) [RULE 405,2-7-1986]	D323.2
CONVEYOR, SCREW, HOPPER DISCHARGE, ALUMINUM CHIP FEED TO FURNACE NO. 1 A/N: 404506	D7			PM: (9) [RULE 405,2-7-1986]	D323.2
FURNACE, REVERBATORY, NO. 1, 40,000 POUND CAPACITY, WITH ONE SCRAP CHARGE WELL, NATURAL GAS, ALUMINUM, ONE CHIPS CHARGE WELL, TWO RECIRCULATION PUMP WELLS, ONE TAP WELL, WITH LOW NOX BURNER, 12 MMBTU/HR WITH A/N: 404506	D8	C20	NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 60 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 405,2-7-1986]	B59.1, B59.2, C1.1, C1.2, D323.1, E57.1

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(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
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<b>Process 1 : ALUMINIUM PROCESSING</b>					
BURNER, NATURAL GAS, NORTH AMERICAN, MODEL 4832, WITH LOW NOX BURNER, 4 TOTAL; 3 MMBTU/HR					
HOPPER, ALUMINUM CHIP FEED TO FURNACE NO. 3 A/N: 374660	D15			PM: (9) [RULE 405,2-7-1986]	D323.2
CONVEYOR, SCREW, HOPPER DISCHARGE, ALUMINUM CHIP FEED TO FURNACE NO. 3 A/N: 374660	D16			PM: (9) [RULE 405,2-7-1986]	D323.2
FURNACE, REVERBATORY, NO. 3, WITH ONE SCRAP CHARGE WELL, NATURAL GAS, ALUMINUM, ONE CHIPS CHARGE WELL, TWO RECIRCULATION PUMP WELLS, ONE DE-GAS WELL, 16 MMBTU/HR WITH A/N: 374660  BURNER, NATURAL GAS, NORTH AMERICAN, MODEL 4832A-7, WITH LOW NOX BURNER, 8 TOTAL; 2 MMBTU/HR	D17	C20	NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 60 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 405,2-7-1986]	B59.1, B59.2, C1.2, C1.3, D323.1, E57.1

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(3) Denotes RECLAIM concentration limit  
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(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
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<b>Process 1 : ALUMINIUM PROCESSING</b>					
<p>FURNACE, REVERBATORY, NO. 4, NATURAL GAS, HI T.E.Q., ALUMINUM, 12 MMBTU/HR WITH A/N: 451338</p> <p>BURNER, NATURAL GAS, NORTH AMERICAN, MODEL 4574-10, WITH LOW NOX BURNER, 2 TOTAL; 5 MMBTU/HR</p> <p>BURNER, NATURAL GAS, NORTH AMERICAN, MODEL 4832-7, WITH LOW NOX BURNER, 1 TOTAL; 2 MMBTU/HR</p>	D24		NOX: LARGE SOURCE**	<p>CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 60 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]</p> <p>PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]</p>	B59.1, B59.3, B59.4, C1.4, C1.5, D29.1, K40.1
<b>System 2 : HOLDING FURNACES</b>					
FURNACE, HOLDING, POT, NO. 3, EMPIRE, ALUMINUM, 1,600 POUND CAPACITY, 23 KW A/N: 306211	D27			PM: (9) [RULE 405,2-7-1986]	B59.6, C1.6, E147.1
FURNACE, HOLDING, POT, NO. 4, EMPIRE, ALUMINUM, 1,600 POUND CAPACITY, 23 KW A/N: 306212	D28			PM: (9) [RULE 405,2-7-1986]	B59.6, C1.6, E147.1

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(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
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<b>Process 1 : ALUMINIUM PROCESSING</b>					
FURNACE, HOLDING, POT, NO. 5, EMPIRE, ALUMINUM, 1,600 POUND CAPACITY, 23 KW A/N: 306213	D29			PM: (9) [RULE 405,2-7-1986]	B59.6, C1.6, E147.1
FURNACE, HOLDING, POT, NO. 6, EMPIRE, ALUMINUM, 1,600 POUND CAPACITY, 23 KW A/N: 306214	D30			PM: (9) [RULE 405,2-7-1986]	B59.6, C1.6, E147.1
FURNACE, HOLDING, POT, NO. 7, EMPIRE, ALUMINUM, 1,600 POUND CAPACITY, 23 KW A/N: 306215	D31			PM: (9) [RULE 405,2-7-1986]	B59.6, C1.6, E147.1
FURNACE, HOLDING, POT, NO. 8, EMPIRE, ALUMINUM, 1,600 POUND CAPACITY, 23 KW A/N: 306216	D32			PM: (9) [RULE 405,2-7-1986]	B59.6, C1.6, E147.1
FURNACE, HOLDING, POT, NO. 9, EMPIRE, ALUMINUM, 1,600 POUND CAPACITY, 23 KW A/N: 306217	D33			PM: (9) [RULE 405,2-7-1986]	B59.6, C1.6, E147.1
FURNACE, HOLDING, POT, NO. 10, EMPIRE, ALUMINUM, 1,600 POUND CAPACITY, 23 KW A/N: 306218	D34			PM: (9) [RULE 405,2-7-1986]	B59.6, C1.6, E147.1
FURNACE, HOLDING, POT, NO. 11A, EMPIRE, ALUMINUM, 1,600 POUND CAPACITY, 23 KW A/N: 306219	D35			PM: (9) [RULE 405,2-7-1986]	B59.6, C1.6, E147.1

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(7) Denotes NSR applicability limit  
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<b>Process 1 : ALUMINIUM PROCESSING</b>					
FURNACE, HOLDING, POT, NO. 12A, EMPIRE, ALUMINUM, 1,600 POUND CAPACITY, 23 KW A/N: 306220	D36			PM: (9) [RULE 405,2-7-1986]	B59.6, C1.6, E147.1
FURNACE, HOLDING, POT, NO. 11, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404505	D37			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 12, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404516	D38			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 13, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404517	D39			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 14, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404518	D40			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 15, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404519	D41			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 16, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404520	D42			PM: (9) [RULE 405,2-7-1986]	E448.1

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<b>Process 1 : ALUMINIUM PROCESSING</b>					
FURNACE, HOLDING, POT, NO. 17, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404521	D43			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 18, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404522	D44			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 19, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404523	D45			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 20, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404524	D46			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 21, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404525	D47			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 22, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404526	D48			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 23, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404527	D49			PM: (9) [RULE 405,2-7-1986]	E448.1

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<b>Process 1 : ALUMINIUM PROCESSING</b>					
FURNACE, HOLDING, POT, NO. 24, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404528	D50			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 25, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404529	D51			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 26, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404530	D52			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 27, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404531	D53			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 28, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404532	D54			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 29, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404533	D55			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 30, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404534	D56			PM: (9) [RULE 405,2-7-1986]	E448.1

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<b>Process 1 : ALUMINIUM PROCESSING</b>					
FURNACE, HOLDING, POT, NO. 31, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404535	D57			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 32, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404536	D58			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 33, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404537	D59			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 34, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404538	D60			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 35, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404539	D61			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 36, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404540	D62			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 37, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404541	D63			PM: (9) [RULE 405,2-7-1986]	E448.1

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<b>Process 1 : ALUMINIUM PROCESSING</b>					
FURNACE, HOLDING, POT, NO. 38, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404542	D64			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 39, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404543	D65			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 40, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404544	D66			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 41, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404545	D67			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 42, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404546	D68			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 43, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404547	D69			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 44, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404548	D70			PM: (9) [RULE 405,2-7-1986]	E448.1

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(2)(2A)(2B) Denotes RECLAIM emission rate  
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<b>Process 1 : ALUMINIUM PROCESSING</b>					
FURNACE, HOLDING, POT, NO. 45, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404549	D71			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 46, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404550	D72			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 47, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404551	D73			PM: (9) [RULE 405,2-7-1986]	E448.1
FURNACE, HOLDING, POT, NO. 48, EMPIRE, ALUMINUM, 2,200 POUND CAPACITY, 23 KW A/N: 404552	D74			PM: (9) [RULE 405,2-7-1986]	E448.1
<b>System 3 : HEAT TREAT FURNACES</b>					
FURNACE, HEAT TREATING, NATURAL GAS, SECO/WARWICK, ALUMINUM, 2.475 MMBTU/HR WITH A/N:	D75		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	C1.7

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : ALUMINIUM PROCESSING</b>					
<p>BURNER, CHAMBER 1, NATURAL GAS, NORTH AMERICAN, MODEL 4422, WITH LOW NOX BURNER, 6 TOTAL; 0.31 MMBTU/HR</p> <p>BURNER, CHAMBERS 2, 3, 4, NATURAL GAS, NORTH AMERICAN, MODEL 4422, WITH LOW NOX BURNER, 3 TOTAL; 0.205 MMBTU/HR</p>					
<p>FURNACE, HEAT TREATING, NATURAL GAS, SECO/WARWICK, ALUMINUM, 5.85 MMBTU/HR WITH A/N: 404553</p> <p>BURNER, NATURAL GAS, NORTH AMERICAN, MODEL 4422, WITH LOW NOX BURNER, 9 TOTAL; 0.65 MMBTU/HR</p>	D79		NOX: PROCESS UNIT**	<p>CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; NOX: 30 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]</p> <p>PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]</p>	B59.4, C1.8

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : ALUMINIUM PROCESSING</b>					
FURNACE, AGING, NATURAL GAS, LANLY CORP., ALUMINUM, 4 MMBTU/HR WITH A/N: 404554   BURNER, ZONE 1, NATURAL GAS, WITH LOW NOX BURNER, 1 TOTAL; 2.5 MMBTU/HR  BURNER, ZONE 2, NATURAL GAS, WITH LOW NOX BURNER, 1 TOTAL; 1.5 MMBTU/HR	D81		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; NOX: 12 PPMV NATURAL GAS (5) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	B59.4, C1.9
<b>Process 2 : SURFACE COATING</b>					
SPRAY COATING OPERATION, BOOTH NO. 1, POWDER COATING, IMF WITH A/N: 404509  FILTER, WITH 6 CARTRIDGE TYPE FILTERS, 1356 SQ.FT.  FILTER, FINAL, 2 TOTAL	D84			PM: (9) [RULE 1107,11-9- 2001;RULE 1107,1-6-2006;RULE 404,2-7-1986;RULE 405,2-7-1986]	B27.1, B59.5, C1.10, C6.1, D381.2, K67.2

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : SURFACE COATING</b>					
SPRAY COATING OPERATION, BOOTH NO. 3, POWDER COATING, IMF WITH A/N: 444081  FILTER, WITH 6 CARTRIDGE TYPE FILTERS, 1356 SQ.FT.  FILTER, FINAL, 2 TOTAL	D85			PM: (9) [RULE 1107,11-9-2001;RULE 1107,1-6-2006;RULE 404,2-7-1986;RULE 405,2-7-1986]	B27.1, B59.5, C1.11, C6.1, D381.2, K67.2
SPRAY COATING OPERATION, BOOTH NO. 2, PAINT, IMF, WATER WASH CURTAIN A/N: 404510	D86			PM: (9) [RULE 1107,11-9-2001;RULE 1107,1-6-2006;RULE 404,2-7-1986;RULE 405,2-7-1986] ; VOC: (5) [RULE 109,5-2-2003]	B27.1, C1.12, C1.13, D322.1, E71.1, K67.4
MIST ELIMINATOR A/N: 404510	C87			PM: (9) [RULE 404,2-7-1986]	
OVEN, NO. 1, POWDER CURING, CONVEYORIZED, NATURAL GAS, IPE/TMF, WITH FOUR 2-HP EXHAUST BLOWERS, AND EIGHT 10-HP RECIRCULATION FANS, 6 MMBTU/HR WITH A/N: 475346	D88		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 16 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 16 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	C1.14, D28.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : SURFACE COATING</b>					
BURNER, NATURAL GAS, MAXON, MODEL 415, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR  BURNER, NATURAL GAS, ECLIPSE, MODEL WX200, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR					
OVEN, NO. 3 POWDER CURING, CONVEYORIZED, NATURAL GAS, IPE/TMF, WITH FOUR 2-HP EXHAUST BLOWERS, AND EIGHT 10-HP RECIRCULATION FANS, 6 MMBTU/HR WITH A/N: 475351  BURNER, NATURAL GAS, MAXON, MODEL 415, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR  BURNER, NATURAL GAS, ECLIPSE, MODEL WX200, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D91		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 16 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 16 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	C1.14, D28.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : SURFACE COATING</b>					
<p>OVEN, NO. 2, DRYING, LIQUID PAINT, CONVEYORIZED, NATURAL GAS, IPE/TMF, WITH TWO 2-HP EXHAUST BLOWERS, AND FOUR 10-HP RECIRCULATION FANS, 3 MMBTU/HR WITH A/N: 475347</p> <p>BURNER, NATURAL GAS, MAXON, MODEL 415, WITH LOW NOX BURNER, 1 TOTAL; 1.5 MMBTU/HR</p> <p>BURNER, NATURAL GAS, ECLIPSE, MODEL WX200, WITH LOW NOX BURNER, 1 TOTAL; 1.5 MMBTU/HR</p>	D94		NOX: PROCESS UNIT**	<p>CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 16 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; NOX: 16 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]</p> <p>PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]</p>	C1.14, D28.1
<p>DEGREASER, STAGE 1, ALKALINE, WITH 97 SPRAY NOZZLES, 1.5 MMBTU/HR WITH A/N:</p>	D97		NOX: PROCESS UNIT**	<p>CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]</p>	B27.2, C1.15

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : SURFACE COATING</b>					
<p>BURNER, NATURAL GAS, MAXON, MODEL 8-15 TUBE-O-FLAME, WITH LOW NOX BURNER, 1 TOTAL; 1.5 MMBTU/HR</p> <p>SUMP, ALKALINE, 1050 GALLON TANK SIZE, 900 GALLON CAPACITY</p> <p>PUMP, RECIRCULATION, 7.5 HP</p>				<p><b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; <b>PM:</b> (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]</p>	
<p>DEGREASER, STAGE 2, ALKALINE, WITH 210 SPRAY NOZZLES, 3.8 MMBTU/HR WITH A/N:</p>	D101		NOX: PROCESS UNIT**	<p><b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; <b>NOX:</b> 50 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]</p> <p><b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] ; <b>PM:</b> (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]</p>	B27.2, C1.15

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : SURFACE COATING</b>					
BURNER, NATURAL GAS, MAXON, MODEL 12-38 TUBE-O- FLAME, WITH LOW NOX BURNER, 1 TOTAL; 3.8 MMBTU/HR  SUMP, ALKALINE, 2363 GALLON TANK SIZE, 1900 GALLON CAPACITY  PUMP, RECIRCULATION, 20 HP					
CLEANER, DEOXIDATION STAGE NO. 5, ACID, WITH 188 SPRAY NOZZLES, UNHEATED WITH A/N: SUMP, ACID, 2363 GALLON TANK SIZE, 1900 GALLON CAPACITY  PUMP, RECIRCULATION, 15 HP	D105				B27.2
CLEANER, ACID PREPARATION STAGE NO. 7, ACID SOLUTION, WITH 90 SPRAY NOZZLES, UNHEATED WITH A/N: SUMP, ACID, 900 GALLON CAPACITY  PUMP, RECIRCULATION, 15 HP	D133				B27.2

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : SURFACE COATING</b>					
CLEANER, ACID PREPARATION STAGE NO. 9, ACID SOLUTION, WITH 120 SPRAY NOZZLES, UNHEATED WITH A/N:  SUMP, ACID, 900 GALLON CAPACITY  PUMP, RECIRCULATION, 15 HP	D136				B27.2
<b>Process 3 : ABRASIVE BLASTING</b>					
ABRASIVE BLASTING, CABINET, WITH FOUR 20-HP IMPELLERS, ONE 5-HP BUCKET ELEVATOR, ONE 5-HP SCREW CONVEYOR AND ONE 2-HP WORK CONVEYOR A/N: 306222	D123	C124		PM: (9) [RULE 1140,2-1- 1980;RULE 1140,8-2-1985;RULE 405,2-7-1986]	D323.2, E57.1
BAGHOUSE, TORIT, WITH PULSE JET CLEANING, 3048 SQ.FT.; 12 CARTRIDGE A/N: 306184	C124	D123		PM: (9) [RULE 404,2-7-1986]	D12.3, D381.1, E102.1, K67.2
<b>Process 4 : R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, BOILER, > 400,000 BTU/HR <= 2 MMBTU/HR	E125			CO: 400 PPMV NATURAL GAS (5A) [RULE 1146.2,1-9- 1998;RULE 1146.2,1-7-2005] ; CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982]	

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
				<b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E126			<b>VOC:</b> (9) [RULE 1113,11-8- 1996;RULE 1113,7-43-2007;RULE 1171,11-7-2003;RULE 1171,7-44- 2006]	K67.3
RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS	E127			<b>VOC:</b> (9) [RULE 1171,11-7- 2003;RULE 1171,7-44-2006]	

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: DEVICE ID INDEX

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D7	2	1	1
D8	2	1	1
D15	3	1	1
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D17	3	1	1
D19	4	1	1
C20	4	1	1
D21	4	1	1
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D27	5	1	2
D28	5	1	2
D29	6	1	2
D30	6	1	2
D31	6	1	2
D32	6	1	2
D33	6	1	2
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D35	6	1	2
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D41	7	1	2
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## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: DEVICE ID INDEX

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D59	10	1	2
D60	10	1	2
D61	10	1	2
D62	10	1	2
D63	10	1	2
D64	11	1	2
D65	11	1	2
D66	11	1	2
D67	11	1	2
D68	11	1	2
D69	11	1	2
D70	11	1	2
D71	12	1	2
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D79	13	1	3
D81	14	1	3
D84	14	2	0
D85	15	2	0
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## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: DEVICE ID INDEX

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D121	2	1	1
D123	20	3	0
C124	20	3	0
E125	20	4	0
E126	21	4	0
E127	21	4	0
D133	19	2	0
D136	20	2	0

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

#### FACILITY CONDITIONS

F2.1 The operator shall limit emissions from this facility as follows: TABLE CONDITION PARAMETER NOT SET UP

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	CONDITION	LIMIT	UNITS
PM10	Less than	4	TONS IN ANY ONE YEAR

[**RULE 1303(b)(2)-Offset, 5-10-1996**; **RULE 1303(b)(2)-Offset, 12-6-2002**]

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
- (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[**RULE 401, 3-2-1984**; **RULE 401, 11-9-2001**]

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 500 ppm by weight.

[**RULE 431.2, 5-4-1990**; **RULE 431.2, 9-15-2000**]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[**RULE 431.2, 9-15-2000**]

#### DEVICE CONDITIONS

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

#### **B. Material/Fuel Type Limits**

- B27.1 The operator shall not use materials containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 05/03/2002.

[RULE 1401, 5-3-2002]

[Devices subject to this condition : D84, D85, D86]

- B27.2 The operator shall not use materials containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 03/04/2005.

[RULE 1401, 5-3-2002]

[Devices subject to this condition : D97, D101, D105, D133, D136]

- B59.1 The operator shall not use the following material(s) in this device :

Fluoride

Chlorine

Aluminum chloride

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D8, D17, D21, D24]

- B59.2 The operator shall only use the following material(s) in this device :

clean aluminum ingots and sows, and internally generated scrap and chips

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 5-3-2002]**

[Devices subject to this condition : D8, D17]

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

B59.3 The operator shall only use the following material(s) in this device :

clean aluminum ingots and sows, and rerun scrap

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 5-3-2002]**

[Devices subject to this condition : D21, D24]

B59.4 The operator shall not use the following material(s) in this device :

metal contaminated with rubber, plastics, paper, rags, oil, grease, or similar smoke-producing material

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 5-3-2002]**

[Devices subject to this condition : D21, D24, D79, D81]

B59.5 The operator shall not use the following material(s) in this device :

surface preparation and clean-up materials containing VOC

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D84, D85]

B59.6 The operator shall only use the following material(s) in this device :

clean ingots and rerun scrap

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 5-3-2002]**

[Devices subject to this condition : D27, D28, D29, D30, D31, D32, D33, D34, D35, D36]

### **C. Throughput or Operating Parameter Limits**

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C1.1 The operator shall limit the natural gas fuel usage to no more than 4680000 cubic feet in any one calendar month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage being supplied to the furnace.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D8]

- C1.2 The operator shall limit the material processed to no more than 1800 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as amount of chips charged.

This limit shall be based on the total combined limit for equipment Device D8 and Device D17.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D8, D17]

- C1.3 The operator shall limit the material processed to no more than 2520 ton(s) in any one calendar month.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D17]

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C1.4 The operator shall limit the natural gas fuel usage to no more than 4198496 cubic feet in any one calendar month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage being supplied to the furnace.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D21, D24]

- C1.5 The operator shall limit the material processed to no more than 1440 ton(s) in any one calendar month.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D21, D24]

- C1.6 The operator shall limit the material processed to no more than 93 ton(s) in any one calendar month.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D27, D28, D29, D30, D31, D32, D33, D34, D35, D36]

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C1.7 The operator shall limit the natural gas fuel usage to no more than 1557600 cubic feet in any one calendar month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage being supplied to the furnace.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D75]

- C1.8 The operator shall limit the natural gas fuel usage to no more than 65333 cubic feet in any one day.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage being supplied to the furnace.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D79]

- C1.9 The operator shall limit the natural gas fuel usage to no more than 950000 cubic feet in any one calendar month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage being supplied to the furnace.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D81]

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

C1.10 The operator shall limit the material processed to no more than 10000 lb(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as powder coating usage.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D84]

C1.11 The operator shall limit the material processed to no more than 12000 lb(s) in any one calendar month.

for the purpose of this condition, material processed shall be defined as powder coating usage.

The VOC contained in the powder coatings used in this equipment shall not exceed 144 pounds in any one calendar month.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D85]

C1.12 The operator shall limit the material processed to no more than 1150 lb(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as the total amount of VOC contained in the materials used in this equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D86]



## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

C1.13 The operator shall limit the material processed to no more than 6737 lb(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as the total amount of solid contained in the materials used in this equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D86]

C1.14 The operator shall limit the natural gas fuel usage to no more than 4500000 cubic feet in any one calendar month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage being supplied to the three ovens devices D88, D91 and D94.

This limit shall be based on the total combined limit for equipment devices D88, D91 and D94.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D88, D91, D94]

C1.15 The operator shall limit the natural gas fuel usage to no more than 720000 cubic feet in any one calendar month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage being supplied to the two devices D97, D101.

This limit shall be based on the total combined limit for equipment devices D97, D101.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D97, D101]

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.25 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter bags.

the operator shall determine and record the parameter being monitored once a week

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D84, D85]

### **D. Monitoring/Testing Requirements**

- D12.2 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter bags.

the operator shall determine and record the parameter being monitored once a day

the operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C20]

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- D12.3 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter bags.

the operator shall determine and record the parameter being monitored once a week

the operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C124]

- D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted every five -year period with the first five-year period ending on December 31, 2009.

The test shall be conducted within 12 months of the approval of concentration limit.

The test shall be conducted to determine the NOx emissions at the outlet.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D88, D91, D94]

## FACILITY PERMIT TO OPERATE PRIME WHEEL

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	Approved District method	District-approved averaging time	Outlet
CO emissions	Approved District method	District-approved averaging time	Outlet
PM10 emissions	Approved District method	District-approved averaging time	Outlet

The test shall be conducted within 60 days of the facility permit issuance, or 30 days of approval of the source test protocol, whichever is later.

The test shall be conducted when the furnace is operated at 90% of maximum throughput or higher, and during pouring periods.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D24]

D322.1 The operator shall perform a weekly inspection of the water curtain integrity.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D86]

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D8, D17]

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D15, D16, D121, D123]

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C20, C124]

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D84, D85]

### **E. Equipment Operation/Construction Requirements**

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- E57.1 The operator shall vent this equipment to the air pollution control equipment which is in full use whenever it is in operation.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D8, D17, D123]

- E71.1 The operator shall not operate this equipment unless the water wash curtain is properly maintained and in full operation with the water wash curtain completely covering the exhaust section of the spray booth.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D86]

- E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C20, C124]

- E147.1 The operator shall not conduct fluxing in this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D27, D28, D29, D30, D31, D32, D33, D34, D35, D36]

- E147.2 The operator shall not conduct fluxing or refining in this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D21]



## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

E448.1 The operator shall comply with the following requirements:

except during periods when this equipment receives molten metal, its lid shall remain closed at all times whenever it holds any amount of molten metal

the total amount of time this equipment receives molten metal shall not exceed 3 minutes in any 2-hour period

records of the amount of time this equipment receives molten metal shall be kept in a manner approved by the District

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74]

### **K. Record Keeping/Reporting**

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

the operator shall submit the final source test report to the District within 45 days of the test date

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2005, 5-6-2005]**

[Devices subject to this condition : D24]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection, and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C20, D84, D85, C124]

## **FACILITY PERMIT TO OPERATE PRIME WHEEL**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E126]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection, and/or maintenance of the water wash

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D86]